



26TH ANNUAL CALIFORNIA AQUATIC BIOASSESSMENT WORKGROUP (CABW) MEETING

AND

7th ANNUAL CALIFORNIA CHAPTER SOCIETY FOR FRESHWATER SCIENCE MEETING

OCTOBER 23 & 24, 2019

ACTIVITIES AND RECREATION CENTER (ARC) BALLROOM

UNIVERSITY OF CALIFORNIA DAVIS

AGENDA

Day 1 - Wednesday, October 23, 2019:

- 8:30 – 9:15 Registration
- 9:15 – 9:30 Welcome
- 9:30 – 9:50 Keynote Speaker | Jim Harrington | California Department of Fish and Wildlife (retired)

SESSION 1: DRY STREAM ASSESSMENT

- 9:55 – 10:15 Monitoring to Determine the Health of Non-Perennial Streams in the San Gabriel River Watershed | Karin Wisenbaker | Aquatic Bioassay & Consulting Laboratories
- 10:20 – 10:40 Assessment of Riverine Wetland Conditions, Macroinvertebrate Assemblages, and Physical Habitat Conditions of Streams on Santa Rosa Island, Channel Islands National Park | Dan Pickard | Department of Fish and Wildlife Aquatic Bioassessment Lab, CSU Chico
- 10:45 – 11:05 Bioassessment of Ephemeral Streams and Intermittent Rivers Affected by Oil Spills | Savannah Pena | Southern California Coastal Water Research Project/CSUMB
- 11:05 – 11:10 Memory of Jason May | Larry Brown
- 11:10 - 11:25 BREAK (15 minutes)

SESSION 2: FIRE EFFECTS

- 11:25 – 11:45 Implementation of a Multi-Partner, Collaborative Effort to Manage and Monitor Post-Fire Water Quality in a Large Northern California Lake | Angela De Palma-Dow | Lake County Water Resources Department
- 11:50 – 12:10 Camp Fire Water Quality Monitoring | Alisha Wenzel | Central Valley Regional Water Board

12:15 – 12:35 The Effects of Fire Retardants in Mediterranean Aquatic Ecosystems | Jamie Kneitel | CSU Sacramento

12:35 – 2:05 LUNCH (on your own)

SESSION 3: SUPPORTING MANAGEMENT DECISIONS WITH BIOASSESSMENT DATA

2:05 – 2:25 Development of the City of San Diego Stream Restoration and Protection Prioritization Tool | Jerry Diamond | Tetra Tech and City of San Diego

2:30 – 2:50 The Integration of Molecular Methods in Bioassessment: Are We There Yet? | Susanna Theroux | Southern California Coastal Water Research Project

2:55 – 3:15 Stream Quality Index | Raphael Mazor | Southern California Coastal Water Research Project

3:20 – 3:40 Bioassessment Program and Healthy Watersheds Partnership: Wading into Our Future | Ali Dunn | CA Water Boards

3:45- 4:00 Daily wrap, Q&A, and Adjourn

4:00 – 5:00 Poster Session and Student Poster Contest supported by Cal-SFS and SFS Early Career Committee

5:30 - 8:00 Mixer/Fundraiser | Please join us at Sudwerks Restaurant (2001 2nd Street, Davis) for a mixer and fundraiser for Cal-SFS Student Travel Awards. All are welcome! 15% of proceeds go towards Cal-SFS students!

Day 2 – Thursday, October 24, 2019:

8:30 – 9:00 Registration

9:00 – 9:10 Day 2 Welcome and Logistics

SESSION 4: FLOW ECOLOGY TOOLS TO MANAGE FUTURE FLOWS

9:10 – 9:30 How Climate Change and Drought can Affect Mountain Streams of the Sierra
| David Herbst | UC Santa Cruz and Sierra Nevada Aquatic Research Lab

9:35 – 9:55 A Paired Watershed Comparison of Hydrological and Biological Condition in Streams
With and Without Cannabis Cultivation | Erin Ferguson | California Department of Fish and Wildlife

10:00 – 10:20 Low Streamflow is a Bottleneck to Coho Salmon Outmigration | Brian Kastl | UC Berkeley

10:20 – 10:40 BREAK (20 minutes)

10:40 – 11:00 Selecting a Suite of Native Fish Umbrella Species for Flow Management Recommendations in
California | Alyssa Obester | UC Davis Center for Watershed Sciences

11:05 – 11:25 Using Benthic Macroinvertebrate CSCI Data to Assess and Inform Flow Management
Recommendations in California | Ryan Peek | UC Davis Center for Watershed Sciences

11:30 – 11:55 Benthic Macroinvertebrate Drift and Juvenile Chinook Salmon (*Oncorhynchus tshawytscha*) Diet
Response to Experimental Flow Releases on the Trinity River below Lewiston Dam (Northern
California) | Thomas Starkey-Owens | Humboldt State University

11:55 – 1:25 LUNCH (on your own)

EARLY CAREER PRESENTATIONS & PANEL

| Moderated by Angela De Palma-Dow and Nick Macias |

1:30 - 1:40 Synergistic Activities: Introduction to Early Careers in the Aquatic Sciences | Angela De
Palma-Dow & Zach Compson | Society of Freshwater Science Early Career Committee & Cal-SFS

1:40 - 2:00 Watershed Stewardship: Conducting Bioassessments with Community Members | Melissa von Mayrhauser |
LA Waterkeepers

2:00 - 2:20 Experiences and Thoughts on Early Career Science in California | Guillermo de Mendoza | UC Berkeley

2:20 - 2:40 A Practical Guide: Tools and Skills Needed in Protecting California's Watersheds | Shuka Rastegarpour | CA
Water Boards

2:40 - 3:00 Restoring and Revitalizing California's Urban Streams | Esther Tracy | California Department of Water
Resources

- 3:05 - 3:35 Early Career Panel Presented by SFS Early Career Committee and Cal-SFS | Moderated by Angela De Palma-Dow and Nick Macias |
- Panel Participants include: James Morris, Melissa von Mayrhauser, Guillermo de Mendoza, Shuka Rastegarpour, Esther Tracy and more!
- 3:35 – 4:30 Cal-SFS Business Meeting
- 4:35 – 5:00 Daily Wrap-up, Q&A, and Adjourn